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**RAW SEQUENCE LISTING**

PATENT APPLICATION: US/10/072,159

DATE: 02/28/2002

TIME: 10:28:18

Input Set : N:\Crf3\RULE60\10072159.raw.txt

Output Set: N:\CRF3\02282002\J072159.raw

1 <110> APPLICANT: Bihain, Bernard  
 2       Bougueret, Lydie  
 3       Yen-Potin, Frances  
 4 <120> TITLE OF INVENTION: Lipoprotein-regulating medicaments  
 5 <130> FILE REFERENCE: GENSET.036APC  
 6 <140> CURRENT APPLICATION NUMBER: 10/072,159  
 7 <141> CURRENT FILING DATE: 2002-02-05  
 8 <150> PRIOR APPLICATION NUMBER: 09/485,316  
 9 <151> PRIOR FILING DATE: 2000-02-04  
 10 <150> PRIOR APPLICATION NUMBER: FR 98/05032  
 11 <151> PRIOR FILING DATE: 1998-04-22  
 12 <150> PRIOR APPLICATION NUMBER: PCT IB98/01256  
 13 <151> PRIOR FILING DATE: 1998-08-06  
 14 <160> NUMBER OF SEQ ID NOS: 14  
 15 <170> SOFTWARE: Patent.pm  
 17 <210> SEQ ID NO: 1  
 18 <211> LENGTH: 31  
 19 <212> TYPE: PRT  
 20 <213> ORGANISM: Homo sapiens  
 21 <220> FEATURE:  
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 24 <223> OTHER INFORMATION: Xaa=any amino acid  
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 26 <222> LOCATION: 7  
 27 <223> OTHER INFORMATION: Xaa=Asp or Asn  
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 29 <222> LOCATION: 8..11  
 30 <223> OTHER INFORMATION: Xaa=any amino acid  
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 32 <222> LOCATION: 12  
 33 <223> OTHER INFORMATION: Xaa=Phe or Tyr or Trp or Leu  
 34 <221> NAME/KEY: VARIANT  
 35 <222> LOCATION: 13..18  
 36 <223> OTHER INFORMATION: Xaa=any amino acid  
 37 <221> NAME/KEY: VARIANT  
 38 <222> LOCATION: 20..24  
 39 <223> OTHER INFORMATION: Xaa=any amino acid  
 40 <221> NAME/KEY: VARIANT  
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 42 <223> OTHER INFORMATION: Xaa=any amino acid  
 43 <221> NAME/KEY: VARIANT  
 44 <222> LOCATION: 28

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Input Set : N:\Crf3\RULE60\10072159.raw.txt  
Output Set: N:\CRF3\02282002\J072159.raw

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49 <221> NAME/KEY: VARIANT  
50 <222> LOCATION: 31  
51 <223> OTHER INFORMATION: Xaa=Phe or Tyr  
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54              1                5                10                15  
W--> 55        Xaa Xaa Phe Xaa Xaa Xaa Xaa Gly Xaa Tyr Xaa Phe Xaa Xaa  
56              20                25                30  
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59 <211> LENGTH: 9  
60 <212> TYPE: PRT  
61 <213> ORGANISM: Homo sapiens  
62 <220> FEATURE:  
63 <221> NAME/KEY: VARIANT  
64 <222> LOCATION: 1  
65 <223> OTHER INFORMATION: Xaa=Ser or Thr  
66 <221> NAME/KEY: VARIANT  
67 <222> LOCATION: 2  
68 <223> OTHER INFORMATION: Xaa=any amino acid  
69 <221> NAME/KEY: VARIANT  
70 <222> LOCATION: 4  
71 <223> OTHER INFORMATION: Xaa=Ser or Thr  
72 <221> NAME/KEY: VARIANT  
73 <222> LOCATION: 6  
74 <223> OTHER INFORMATION: Xaa=Phe or Tyr  
75 <221> NAME/KEY: VARIANT  
76 <222> LOCATION: 8  
77 <223> OTHER INFORMATION: Xaa=Leu or Val  
78 <221> NAME/KEY: VARIANT  
79 <222> LOCATION: 9  
80 <223> OTHER INFORMATION: Xaa=Phe or Tyr  
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W--> 82        Xaa Xaa Phe Xaa Gly Xaa Leu Xaa Xaa  
83              1                5  
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86 <211> LENGTH: 15  
87 <212> TYPE: PRT  
88 <213> ORGANISM: Homo sapiens  
89 <400> SEQUENCE: 3  
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91            1                5                10                15  
93 <210> SEQ ID NO: 4  
94 <211> LENGTH: 16  
95 <212> TYPE: PRT  
96 <213> ORGANISM: Homo sapiens

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97 <400> SEQUENCE: 4
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99         1             5                 10                15
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102 <211> LENGTH: 27
103 <212> TYPE: DNA
104 <213> ORGANISM: Homo sapiens
105 <220> FEATURE:
106 <221> NAME/KEY: misc_feature
107 <222> LOCATION: 12..27
108 <223> OTHER INFORMATION: identical to 58..73 in ref genbank U49915
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110     ctacatggat ccagtcatgc cgaagat
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112 <211> LENGTH: 28
113 <212> TYPE: DNA
114 <213> ORGANISM: Homo sapiens
115 <220> FEATURE:
116 <221> NAME/KEY: misc_feature
117 <222> LOCATION: 11..28
118 <223> OTHER INFORMATION: identical to 745..762 in ref genbank U49915 (in complement)
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120     cgacaactcg agtcagttgg tatcatgg
121 <210> SEQ ID NO: 7
122 <211> LENGTH: 129
123 <212> TYPE: PRT
124 <213> ORGANISM: Homo sapiens
125 <220> FEATURE:
126 <221> NAME/KEY: SIMILAR
127 <222> LOCATION: 1..129
128 <223> OTHER INFORMATION: fragment 117..245 of ref swissprot P02745
129 <400> SEQUENCE: 7
130     Phe Ser Ala Ile Arg Arg Asn Pro Pro Met Gly Gly Asn Val Val Ile
131     1             5                 10                15
132     Phe Asp Thr Val Ile Thr Asn Gln Glu Glu Pro Tyr Gln Asn His Ser
133     20            25                30
134     Gly Arg Phe Val Cys Thr Val Pro Gly Tyr Tyr Phe Thr Phe Gln
135     35            40                45
136     Val Leu Ser Gln Trp Glu Ile Cys Leu Ser Ile Val Ser Ser Ser Arg
137     50            55                60
138     Gly Gln Val Arg Arg Ser Leu Gly Phe Cys Asp Thr Thr Asn Lys Gly
139     65            70                75                80
140     Leu Phe Gln Val Val Ser Gly Gly Met Val Leu Gln Leu Gln Gly
141     85            90                95
142     Asp Gln Val Trp Val Glu Lys Asp Pro Lys Lys Gly His Ile Tyr Gln
143     100           105               110
144     Gly Ser Glu Ala Asp Ser Val Phe Ser Gly Phe Leu Ile Phe Pro Ser
145     115           120               125
146     Ala

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Input Set : N:\Crf3\RULE60\10072159.raw.txt  
Output Set: N:\CRF3\02282002\J072159.raw

150 <210> SEQ ID NO: 8  
151 <211> LENGTH: 130  
152 <212> TYPE: PRT  
153 <213> ORGANISM: Homo sapiens  
154 <220> FEATURE:  
155 <221> NAME/KEY: SIMILAR  
156 <222> LOCATION: 1..130  
157 <223> OTHER INFORMATION: fragment 122..251 of ref swissprot P02745  
158 <400> SEQUENCE: 8  
159 Phe Ser Ala Thr Arg Thr Ile Asn Val Pro Leu Arg Arg Asp Gln Thr  
160 1 5 10 15  
161 Ile Arg Phe Asp His Val Ile Thr Asn Met Asn Asn Asn Tyr Glu Pro  
162 20 25 30  
163 Arg Ser Gly Lys Phe Thr Cys Lys Val Pro Gly Leu Tyr Tyr Phe Thr  
164 35 40 45  
165 Tyr His Ala Ser Ser Arg Gly Asn Leu Cys Val Asn Leu Met Arg Gly  
166 50 55 60  
167 Arg Glu Arg Ala Gln Lys Val Val Thr Phe Cys Asp Tyr Ala Tyr Asn  
168 65 70 75 80  
169 Thr Phe Gln Val Thr Thr Gly Gly Met Val Leu Lys Leu Glu Gln Gly  
170 85 90 95  
171 Glu Asn Val Phe Leu Gln Ala Thr Asp Lys Asn Ser Leu Leu Gly Met  
172 100 105 110  
173 Glu Gly Ala Asn Ser Ile Phe Ser Gly Phe Leu Leu Phe Pro Asp Met  
174 115 120 125  
175 Glu Ala  
176 130  
178 <210> SEQ ID NO: 9  
179 <211> LENGTH: 124  
180 <212> TYPE: PRT  
181 <213> ORGANISM: Homo sapiens  
182 <220> FEATURE:  
183 <221> NAME/KEY: SIMILAR  
184 <222> LOCATION: 1..124  
185 <223> OTHER INFORMATION: fragment 121..244 of ref swissprot P02745  
186 <400> SEQUENCE: 9  
187 Phe Thr Val Thr Arg Gln Thr His Gln Pro Pro Ala Pro Asn Ser Leu  
188 1 5 10 15  
189 Ile Arg Phe Asn Ala Val Leu Thr Asn Pro Gln Gly Asp Tyr Asp Thr  
190 20 25 30  
191 Ser Thr Gly Lys Phe Thr Cys Lys Val Pro Gly Leu Tyr Tyr Phe Val  
192 35 40 45  
193 Tyr His Ala Ser His Thr Ala Asn Leu Cys Val Leu Leu Tyr Arg Ser  
194 50 55 60  
195 Gly Val Lys Val Val Thr Phe Cys Gly His Thr Ser Lys Thr Asn Gln  
196 65 70 75 80  
197 Val Asn Ser Gly Gly Val Leu Leu Arg Leu Gln Val Gly Glu Glu Val  
198 85 90 95  
199 Trp Leu Ala Val Asn Asp Tyr Tyr Asp Met Val Gly Ile Gln Gly Ser

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Input Set : N:\Crf3\RULE60\10072159.raw.txt  
Output Set: N:\CRF3\02282002\J072159.raw

200 100 105 110  
 201 Asp Ser Val Phe Ser Gly Phe Leu Leu Phe Pro Asp  
 202 115 120  
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 205 <211> LENGTH: 130  
 206 <212> TYPE: PRT  
 207 <213> ORGANISM: Homo sapiens  
 208 <220> FEATURE:  
 209 <221> NAME/KEY: SIMILAR  
 210 <222> LOCATION: 1..130  
 211 <223> OTHER INFORMATION: fragment 64..193 of translation from ref Genbank M58583  
 212 <400> SEQUENCE: 10  
 213 Phe Ser Ala Ile Arg Ser Thr Asn His Glu Pro Ser Glu Met Ser Asn  
 214 1 5 10 15  
 215 Arg Thr Met Ile Ile Tyr Phe Asp Gln Val Leu Val Asn Ile Gly Asn  
 216 20 25 30  
 217 Asn Phe Asp Ser Glu Arg Ser Thr Phe Ile Ala Pro Arg Lys Gly Ile  
 218 35 40 45  
 219 Tyr Ser Phe Asn Phe His Val Val Lys Val Tyr Asn Arg Gln Thr Ile  
 220 50 55 60  
 221 Gln Val Ser Leu Met Leu Asn Gly Trp Pro Val Ile Ser Ala Phe Ala  
 222 65 70 75 80  
 223 Gly Asp Gln Asp Val Thr Arg Glu Ala Ala Ser Asn Gly Val Leu Ile  
 224 85 90 95  
 225 Gln Met Glu Lys Gly Asp Arg Ala Tyr Leu Lys Leu Glu Arg Gly Asn  
 226 100 105 110  
 227 Leu Met Gly Gly Trp Lys Tyr Ser Thr Phe Ser Gly Phe Leu Val Phe  
 228 115 120 125  
 229 Pro Leu  
 230 130  
 232 <210> SEQ ID NO: 11  
 233 <211> LENGTH: 130  
 234 <212> TYPE: PRT  
 235 <213> ORGANISM: Homo sapiens  
 236 <220> FEATURE:  
 237 <221> NAME/KEY: SIMILAR  
 238 <222> LOCATION: 1..130  
 239 <223> OTHER INFORMATION: fragment 115..244 of translation from ref Genbank D45371  
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 241 Phe Ser Val Gly Leu Glu Thr Tyr Val Thr Ile Pro Asn Met Pro Ile  
 242 1 5 10 15  
 243 Arg Phe Thr Lys Ile Phe Tyr Asn Gln Gln Asn His Tyr Asp Gly Ser  
 244 20 25 30  
 245 Thr Gly Lys Phe His Cys Asn Ile Pro Gly Leu Tyr Tyr Phe Ala Tyr  
 246 35 40 45  
 247 His Ile Thr Val Tyr Met Lys Asp Val Lys Val Ser Leu Phe Lys Lys  
 248 50 55 60  
 249 Asp Lys Ala Met Leu Phe Thr Tyr Asp Gln Tyr Gln Glu Asn Asn Val  
 250 65 70 75 80

**VERIFICATION SUMMARY**

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Input Set : N:\Crf3\RULE60\10072159.raw.txt  
Output Set: N:\CRF3\02282002\J072159.raw

L:53 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1

L:55 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1

L:82 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2